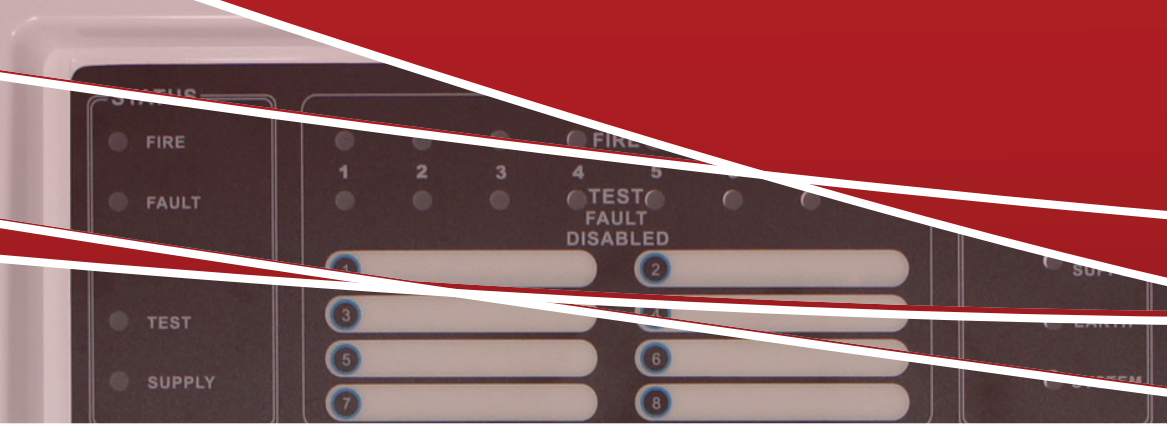# Alco
intelligent solutions

FIRE DETECTION SYSTEM

RESIDENTIAL FIRE ALARM SYSTEM

INTRODUCTION

Alco has a comprehensive range of detection and alarm products suitable for residential applications. The range includes stand alone and interconnected devices, all with loud internal sounders. Devices for the detection of **smoke, heat, gas,** *water are available.*

MULTI-SENSOR ALARM

Multi-sensor alarms devices provide high detection capability with a low level of **unwanted alarm** to provide the minimum *occupant disruption.*

SMOKE ALARM

All **smoke alarms** use a photoelectric smoke sensing chamber to provide early detection of smoke and high immunity immunity against unwanted alarms form *cooking fumes*.

GAS ALARM

Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of the **carbon monoxide, natural gas** or **propane gas**, and *high immunity against unwanted alarms.*

HEAT ALARM

Heat alarms are available as stand-alone or inter-connectable models, powered form an internal battery or mains supply. **Heat alarms** are suitable for installation where smoke alarms may be susceptible to a high level of unwanted alarms.

Note: *Hazardous levels of smoke and toxic gas can build up before a heat detector might operate. Where life safety and building evacuation is necessary in the event of a fire, smoke, gas or combination detectors unusually provide earlier warning then detectors.*

WATER ALARM

A **water alarms** provide home owners and installers with an **easy-to-install**, economical solution where *early detection of water leaks id wanted.*

SMOKE + HEAT DETECTOT (DC)

MODEL NO: CFS- SHD500

DESCRIPTION:

SHD500 Smoke/Heat detector provide battery powered Smoke and Heat detection and alarm functions within a single unit.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber and sensitive heat detection provide early detection of fire and high immunity *against unwanted alarms.*

TECHNICAL FEATURES:

- Photoelectric Smoke and Heat sensing
- Fixed temperature and rate-of-rise operation using electron thermistors with microprocessor control
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and alarm operation
- Loud 85 dB sounder to alert occupants
- 30 day low battery warning signal
- Battery missing indicator

SMOKE DETECTOT (AC / DC)

MODEL NO: CFS- SD500

DESCRIPTION:

SD500 Smoke Detector provide smoke detection and alarm functions within a single unit.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity *against unwanted alarms*.

TECHNICAL FEATURES:

- Test and hush features in a single button
- Loud 85 dB sounder to alert occupants
- Single DC 9 V user-replaceable battery
- 30 day low battery warning signal
- 10-year end-of-life timer
- Twist-on mounting base

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Models may vary from time to time due to continuous improvement in product design, features, technology and stability for a better user experience.

SMOKE DETECTOT (DC)

MODEL NO: RFS- SD501

DESCRIPTION:

SD501 Smoke Detector provide battery powered smoke detection and alarm functions with in a single unit.

Advanced electronics in conjunction with a photoelectric Smoke sensing chamber provide early detection of fire and high immunity against unwanted alarms.

SD501 smoke detector are powered by a **10-year lithiumion** battery and do not require a mains supply. An automatic switch disconnects power from the unit when it is removed from its base.

TECHNICAL FEATURES:

- Photoelectric Smoke Sensor
- Switch function disconnects power when removed from base
- Test button verifies battery and alarm operation
- Hush feature to temporarily silence unwanted alarms
- Loud 85 dB sounder to alert occupants
- 30 day low battery warning signal
- Integrated indicator provides visual indication of an alarm condition

SMOKE DETECTOT (DC)

MODEL NO: RFS- SD502

DESCRIPTION:

SD502 Smoke detector provide battery powered smoke detection and alarm functions with in a single unit.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity *against unwanted alarms.*

SD502 Smoke detector are battery powered, do not require a main supply and are suitable for general residential applications.

Models may vary from time to time due to continuous improvement in product design, features, technology and stability for a better user experience.

HEAT DETECTOT (DC)

MODEL NO: RFS- HD500

DESCRIPTION:

HD500 Heat detector provide battery powered heat detection, and alarm functions within a single unit.

HD500 Heat detectors are battery powered, do not require mains supply and are suitable for residential applications where smoke or gas detectors may cause unwanted alarms *(such as cooking areas or parking garages).*

TECHNICAL FEATURES:

- Test button verifies battery and alarm operation.
- Loud 85 dB sounder to alert occupants.
- Surface-mount device (SMD) circuit board design.
- Single DC 9 V user-replaceable battery provides up to
   18 months operation under normal conditions
- 30 day low battery warning signal
- Battery missing indicator

CO GAS ALARM

MODEL NO: RFS-500C

DESCRIPTION:

500C Carbon Monoxide (CO) Gas Alarms are state of the art detectors with an internal sounder. Models are available powered by a user-replaceable battery or AC mains.

Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of **carbon monoxide gas** and *high immunity against unwanted alarms.*

TECHNICAL FEATURES:

- Loud 85 dB Internal Alarm Sounder
- Dual action button for Hush and Test
- Separate indicators for Power, Alarm and Service
- N/C or N/O alarm relay output models available

- AC mains powered models available
- DC 9 V models available, including 10-year
   lithium battery models
- 5-year end-of-life timer
- Low power consumption

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NATURAL GAS ALARM

MODEL NO: RFS-500N

DESCRIPTION:

500N Natural Gas (LPG)/Natural Gas Alarms are state-of-the-art inflammable gas detectors with an internal sounder. Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of propane gas, with high immunity against unwanted alarms.

Models are available powered by AC mains or from a DC 12/24 V supply (such as a security system).

TECHNICAL FEATURES:

- Detects Propane (LPG) Gas (C3 H8)/Natural Gas (CH 4)
- Loud 85 dB internal alarm sounder
- Dual action button for Hush and Test
- Separate indicators for Power, Alarm and Service
- N/C or N/O alarm relay output models available.

- AC mains operating models available
- DC 12/24 V models available
- 5-year end-of-life timer
- Low power consumption
- Low maintenance

WATER ALARM

MODEL NO: RFS-500W

The **500W Water Alarm** is a **Water Leakage Detector** with an alarm sounder. Advanced electronics provides rapid detection of water in at-risk locations, such as *sumps, under sinks, around washing machines,* in *bathrooms,* etc.

The **500W** is powered from an internal battery. A dry contact alarm relay output is available for connection to other equipment, *such as a security system*.

TECHNICAL FEATURES:

- Operates in water depths exceeding 2 mm
- Operates from a replaceable DC 9 V battery
- Loud 85 dB internal alarm sounder lasts for up to 72 hours
- Sounder will reset automatically when water is no longer detected
- Low power consumption

- Dry-contact relay output model available
- Shock resistant from up to 1.8 m fall onto concrete
- Splash proof (not water proof)
- Easy installation.

Models may vary from time to time due to continuous improvement in product design, features, technology and stability for a better user experience.

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